



Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 63932
Application ID: 09739618
Title of Invention: Object-Based Storage Device
with Improved Reliability and
Fast Crash Recovery
First Named Inventor: John Howard
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-12-18
Effective Receipt Date: 2004-07-02
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 3682
Attorney Docket Number: 5181-59100

Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 501505
Deposit Account Name: Lawrence Merkel
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-07-02
RAM Sequence Number: 9



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Digital Certificate Holder: cn=Lawrence J. Merkel,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 1cb61662e0ebb8d7e9f4bbe6873ec33770e504ec



TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery															
<div>Application Number: 09/739618 </div> <div>Date: 2000-12-18</div> <div>First Named Applicant: John H Howard</div> <div>Confirmation Number: 3682</div> <div>Attorney Docket Number: 5181-59100</div> <div>RECEIVED JUL 07 2004 Technology Center 2100</div>																
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Lawrence Merkel Registered Number: 41191</td><td>Lawrence Merkel</td><td>Agent</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Lawrence Merkel Registered Number: 41191	Lawrence Merkel	Agent								
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Lawrence Merkel Registered Number: 41191	Lawrence Merkel	Agent														
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>IDS7-2-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xml</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>IDS7-2-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xml</td></tr></table>			Documents being submitted	Files	us-fee-sheet	IDS7-2-usfees.xml		us-fee-sheet.xml		us-fee-sheet.dtd	us-ids	IDS7-2-usidst.xml		us-ids.dtd		us-ids.xml
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us-ids	IDS7-2-usidst.xml															
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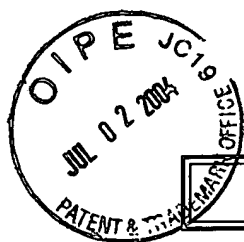
Comments



FEE TRANSMITTAL

Electronic Version v08
Stylesheet Version v08.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery										
Application Number: 09/739618											
Date: 2000-12-18		RECEIVED JUL 07 2004 Technology Center 2100									
First Named Applicant: John H Howard											
Attorney Docket Number: 5181-59100											
Art Unit: 2143											
Examiner: Mitra Kianersi											
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 501505											
Access Code *****											
Deposit name: Meyertons, Hood, Kivlin, Kowert, Goetzel, P.C.											
Deposit authorized name: Lawrence Merkel											
Signature: Lawrence Merkel											
Date (YYYYMMDD): 2004-07-02											
Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.											



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery
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Application Number: 09/739618
Confirmation Number: 3682
First Named Applicant: John Howard
Attorney Docket Number: 5181-59100
Art Unit: 2143
Examiner: Mitra Kianersi
Search string: (6651140 or 6567853 or 6493804 or 6453354
or 6442613 or 6389420 or 6339793 or 6324581
or 6012060 or 5940594 or 5893140 or
5566331).pn.



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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6651140	2003-11-18	Kumar			
	2	6567853	2003-05-20	Shomler			
	3	6493804	2002-12-10	Soltis et al			
	4	6453354	2002-09-17	Jiang et al			
	5	6442613	2002-08-27	Gregg et al			
	6	6389420	2002-05-14	Vahalia et al			
	7	6339793	2002-01-15	Bostian et al			
	8	6324581	2001-11-27	Xu et al			
	9	6012060	2000-01-04	Loaiza et al			
	10	5940594	1999-08-17	Ali et al			
	11	5893140	1999-04-06	Vahalia et al			
	12	5566331	1999-10-15	Irwin et al			

Remarks

Note: Remarks are not for responding to an office action.

Additional reference to accompany form PTO-1449.

Signature

Examiner Name	Date

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